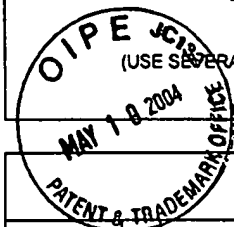


FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
ASMMC.050CP1APPLICATION NO.  
10/782,727INFORMATION DISCLOSURE STATEMENT  
BY APPLICANTAPPLICANT  
Lindfors et al.FILING DATE  
February 18, 2004GROUP  
1783

(USE SEVERAL SHEETS IF NECESSARY)



## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>JD</i>	1	3,854,443	12/17/74	Baerg	118 724	
	2	4,522,149	6/11/85	Garbis et al.	118 725	
	3	4,582,720	4/15/86	Yamazaki	427 573	
	4	4,694,779	9/22/87	Hammond et al.	118 730	
	5	4,798,165 ✓	1/17/89	deBoer et al.	118 730	118/715
	6	4,851,095	7/25/89	Scobey et al.	118 730	204/192.12
	7	5,356,673	10/18/94	Schmitt et al.	427 446	
	8	5,500,256	3/19/96	Watabe	↓ 579	
	9	5,551,982	9/3/96	Anderson et al.	118 715	
	10	5,595,606	1/21/97	Fujikawa et al.	↓ 725	
	11	5,624,498 ✓	4/29/97	Lee et al.	118 715	
	12	5,669,975	9/23/97	Ashtiani	118 723I	
	13	5,674,320	10/7/97	Kordina et al.	↓ 800	
	14	5,711,811	1/27/98	Suntola et al.	↓ 719	
	15	5,811,022	9/22/98	Savas et al.	216 68	
	16	5,916,365	6/29/99	Sherman	117 92	
	17	6,042,652	3/28/00	Hyun et al.	118 719	
	18	6,148,761 ✓	11/21/00	Majewski et al.	118 715	
	19	6,184,158 B1	2/6/01	Shufflebotham et al.	438 788	
	20	6,200,389 B1 ✓	3/13/01	Miller et al.	438 729	
	21	6,200,893 B1	3/13/01	Sneh	438 685	
	22	6,270,571 B1	8/7/01	Iwasaki et al.	117 88	
	23	6,305,314 B1	10/23/01	Sneh et al.	118 723R	
	24	6,342,277 B1	1/29/02	Sherman	427 562	
	25	6,364,949 B1	4/2/02	Or et al.	427 457	118/69
	26	6,368,987 B1	4/9/02	Kopacz et al.	118 723MB	438/788
	27	6,416,822 B1	7/9/02	Chiang et al.	118 724	427/861
↓	28	6,428,859 B1	8/6/02	Chiang et al.	427 457	

EXAMINER

DATE CONSIDERED

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. ASMMC.050CP1	APPLICATION NO. 10/782,727
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Lindfors et al.	
		FILING DATE February 18, 2004	GROUP 1763

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>12</i>	29	6,446,573 B2	9/10/02	Hirayama et al.	118	723	<i>mm</i>
	30	US 2002/0066411 A1	6/6/02	Chiang et al.	438	604	118/724
	31	US 2002/0068458 A1	6/6/02	Chiang et al.	438	604	
	32	US 2002/0197402 A1	12/26/02	Chiang et al.	427	255	39

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>12</i>	33	EP 0 015 390 B1	9/27/85	EPO				
	34	EP 0 550 058 A2	7/7/93	EPO				
	35	JP 02-030119	1/31/90	Japan				
	36	JP 61-101020 A	5/19/86	Japan				
	37	JP 61-263118 A	11/21/86	Japan				
	38	JP 62-080271 A	4/13/87	Japan				
	39	WO 96/17106	6/6/96	PCT				
	40	WO 96/17969	6/13/96	PCT				
	41	WO 00/12964	3/9/00	PCT				
	42	WO 00/63957	10/26/00	PCT				
	43	WO 00/79019 A1	12/28/00	PCT				
	44	WO 00/79576 A1	12/28/00	PCT				
	45	WO 01/00680 A1	1/4/01	PCT				
	46	WO 01/17692 A1	3/15/01	PCT				
	47	WO 02/08488 A1	1/31/02	PCT				
	48	WO 02/26192 A2	4/4/02	PCT				
<i>X</i>	49	WO 03/023835 A1	3/20/03	PCT				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
<i>12</i>	50 de Keijser et al., "Atomic layer epitaxy of gallium arsenide with the use of atomic hydrogen," <u>Appl. Phys. Lett.</u> , Vol. 58, No. 11, March 18, 1991, pp. 1187-1189.

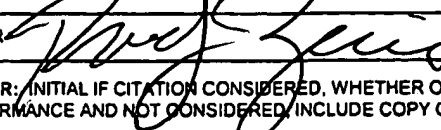
EXAMINER <i>Prof. Zui</i>	DATE CONSIDERED <i>12/1/5</i>
*EXAMINER'S INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

x Reserved only

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. ASMMC.050CP1	APPLICATION NO. 10/782,727
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Lindfors et al.	
		FILING DATE February 18, 2004	GROUP 1783

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
R	51 Imai et al., "Atomic layer epitaxy of Si using atomic H," <u>Thin Solid Films</u> , Vol. 225, (1993), pp. 168-172.
	52 Koleske et al., "Atomic layer epitaxy of Si of Ge(100) using Si <sub>2</sub> Cl <sub>6</sub> and atomic hydrogen," <u>Appl. Phys. Lett.</u> , Vol. 64, No. 7, February 14, 1994, pp. 884-886.
	53 Mahajan et al., "Si atomic layer epitaxy based on Si <sub>2</sub> H <sub>6</sub> and remote He plasma bombardment," <u>Thin Solid Films</u> , Vol. 225, (1993), pp. 177-182.
	54 Singh et al., "Measurement of neutral and ion composition, neutral temperature, and electron energy distribution function in a CF <sub>4</sub> inductively coupled plasma," <u>J. Vac. Sci. Technol. A</u> , Vol. 19, No. 3, May/June 2001, pp. 718-729.
	55 Singh et al., "Measurements of the electron energy distribution function in molecular gases in a shielded inductively coupled plasma," <u>Journal of Applied Physics</u> , Vol. 88, No. 7, October 1, 2000, pp. 3889-3898.
	56 Sugahara et al., "Atomic hydrogen-assisted ALE of germanium," <u>Applied Surface Science</u> , Vol. 90, (1995), pp. 349-356.
✓	57 Sugahara et al. "Atomic layer epitaxy of germanium," <u>Applied Surface Science</u> , Vol. 82/83, (1994), pp. 380-386.
✓	58 Sugahara et al., "Modeling of germanium atomic-layer-epitaxy," <u>Applied Surface Science</u> , Vol. 122, (1997), pp. 176-186.

W:\DOCS\ASAVASA-15520.DOC  
051704

EXAMINER 	DATE CONSIDERED 12/7/5
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application No. 10/782,727  
 Filing Date February 18, 2004  
 First Named Inventor Sven Lindfors  
 Art Unit 1763  
 Examiner ~~Unknown~~ *Benzen*  
 Attorney Docket No. ASMMC.050CP1

(Multiple sheets used when necessary)

SHEET 1 OF 1

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
<i>RL</i>	1	4,595,484	06/17/86	Giammarco et al.	<i>204/298.33</i>
	2	4,597,618	07/01/86	Reimer	<i>439/372</i>

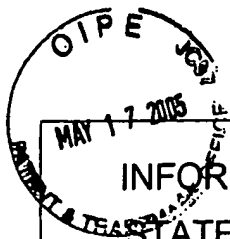
H:\DOCS\IRNN\IRNN-9799.DOC  
021705

Examiner Signature

Date Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.



PTO/SB/08 Equivalent

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Multiple sheets used when necessary)  SHEET 1 OF 1	Application No.	10/782,727
	Filing Date	February 18, 2004
	First Named Inventor	Sven Lindfors
	Art Unit	1763
	Examiner	Unknown <i>Berny</i>
	Attorney Docket No.	ASMMC.050CP1

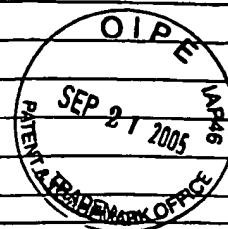
U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
<i>VGA</i>	1	4,358,686	11/09/82	Kinoshita	<i>250/492.2</i>
<i>✓</i>	2	4,579,618	04/01/86	Celestino	<i>156/345.44</i>

1709781  
051205

Examiner Signature <i>[Signature]</i>	Date Considered <i>2/2/05</i>
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Multiple sheets used when necessary)</i>	Application No.	10/782,727
	Filing Date	February 18, 2004
	First Named Inventor	Sven Lindfors
	Art Unit	1763
SHEET 1 OF 1	Examiner	Rudy Zervigon
	Attorney Docket No.	ASMMC.050CP1



U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	4,523,985	06/1985	Dimock	204/208.25
	2	5,010,842	04/1991	Oda et al.	118/753/118
	3	5,683,537	11/1997	Ishii	186/315.33
	4	5,716,453	02/1998	Chen	118/75
	5	6,291,800	09/2001	Shirakawa et al.	219/390
	6	6,478,872	11/2002	Chae et al.	117/88

1915949  
090705

Examiner Signature	Date Considered
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.